

IN THE CLAIMS

1. (Currently Amended) A process for forming a shaped composite article, comprising;

thermoforming a laminate-layered material into a desired shape, wherein said laminate comprising layered material comprises a layer of an arylate polyester polymer layer and an adhering thermoplastic layer of a compatible resin, resin layer;

inserting said thermoformed material into a first mold half;

heating a resin material;

disposing said heated resin material onto a second mold half of the open mold; and,

compression molding said shaped laminate together with a resin containing thermoformed material to said heated reinforcing resin material by bringing said first mold half and said second mold half together to compress said heated reinforced resin material together with said thermoformed material, said compatible resin to forming a composite of the desired shape having an outer layer of said arylate polyester polymer wherein an adherent bond is formed between the thermoplastic layer of the laminate and the reinforcing resin, said arylate polyester polymer layer comprising a weatherable resoreinol arylate having a class "A" finish.

2. (Currently Amended) A process for forming a shaped composite article according to claim 1 wherein the arylate polyester layer is clear and the compatible resin layer comprises a colorant.

3. (Canceled)

4. (Currently Amended) A process for forming a shaped composite article according to claim 1~~The method of claim 2~~, wherein said compatible resin layer is selected from the group consisting of an aromatic polycarbonate resin, a polyester resin, and mixtures comprising at least one of the foregoing~~thereof~~.

5. (Currently Amended) A process for forming a shaped composite article according to ~~claim 2~~ claim 1, wherein composite ~~article of the desired shape~~ has an outer layer of ~~athe~~ clear arylate polyester polymer.

6. (Currently Amended) A process for forming a shaped composite article according to ~~claim 3~~ claim 1, wherein said compatible resin layer is adherent to both ~~the said~~ arylate polyester ~~polymer layer~~ and ~~the said resin containing fibrous material~~.

7. (Currently Amended) A process for forming a shaped composite article according to ~~claim 3~~ claim 1, comprising a balancing layer ~~being positioned adjacent the~~ said reinforcing resin material on the side of said resin material opposite ~~the said laminate~~ thermoformed material.

8 - 11. (Cancelled)

12. (Currently Amended) ~~A~~ The shaped composite article comprising a thermoformed aesthetic laminate having a desired shape according to claim 11 claim 21, wherein the peel strength between ~~said aesthetic laminate~~ thermoformed material and said resin material is greater than 5 lb/inch when measured at a 90 degree peel angle, at with a 200 lb. load cell, and at a peel rate of 1"/min. and said peel strength is greater than 5 lb/inch.

13. (Currently Amended) The shaped composite article according to claim 21, wherein the peel strength is greater than 10 lb/inch. ~~A shaped composite article comprising a thermoformed aesthetic laminate having a desired shape, according to claim 12 has a peel strength greater than 5 lb/inch.~~

14. (Canceled)

15. (New) A process for forming a shaped composite article according to claim 1, wherein said thermoformed material is inserted into a first mold half so that said arylate polyester layer is in physical contact with said first mold half.

16. (New) A process for forming a shaped composite article according to claim 1, wherein said heated resin material does not contact said thermoformed laminate while the mold is in an open position.

17. (New) A process for forming a shaped composite article according to claim 1, wherein heating the resin material and disposing said heated resin material onto a second mold half comprises extruding the resin material onto the second mold half.

18. (New) A process for forming a shaped composite article according to claim 1, wherein the first mold half and the second mold half are brought together at a force of 500 psi to 5,000 psi.

19. (New) A process for forming a shaped composite article according to claim 1, wherein the resin material further comprises fibers.

20. (New) A process for forming a shaped composite article, comprising;
thermoforming a layered material into a desired shape, wherein said layered material comprises a layer of an arylate polyester layer and a compatible resin layer;
inserting said thermoformed material into a first mold half;
heating a resin material;
disposing said heated resin material onto a second mold half of the open mold; and,
compression molding said thermoformed material to said heated resin material by bringing said first mold half and said second mold half together under pressure to compress said heated reinforced resin material together with said thermoformed material to form the composite article with an outer surface comprising the arylate polyester layer.

21. (New) A shaped composite article formed in accordance with the method of claim 1.

22. (New) A shaped composite article formed in accordance with the method of claim 17.

23. (New) A shaped composite article formed in accordance with the method of claim 19.

24. (New) A shaped composite article formed in accordance with the method of claim 20.